GAGAN

ELECRONICSS AND COMMUNICATION ENGINEERING

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Objective

I make a sound impact in corporate world and work enthusiastically in team to achieve goal of the organization with Devotion and hard work.

Education Qualifications

Examination	Board	Name of the Institution	Year of Passing	CGP/Percentage
BE (ELECTRONICS AND COMMUNICATION ENGINEERING)	VTU	CANARA ENGINEERING COLLEGE MANGALORE	2023	7.11
12TH	PUC	D.C GOWDA MEM PU COLLEGE NARASIMHARAJAPURA	2019	70
10TH	SSLC KSEEB	GOVT. JUNIOUR COLLEGE, NRASIMHARAJAPURA	2017	82.77

Technical Skills

- C
- Core java
- SQL
- OOPS
- JavaScript
- HTML
- Basics of Python

Internship

QSpiders Campus Connect

Bangalore
Aug 2022-Sep 2022

- This internship was of 4 weeks.
- Detailed discussion on Oracle-SQL.
- Web development (front end)- HTML, CSS, JAVASCRIPT.
- Learnt C, Data structure and Java.

Project:
Password Protection Application

- This project is implemented using HTML,CSS,JAVASCRIPT.
- Password protection application that ensures the security of your confidential information by generating and storing strong, unique passwords for all your online accounts.
- With Pass Guard, you no longer have to worry about weak passwords, password reuse, or the risk of getting hacked. Pass Guard utilizes advanced encryption techniques to securely store your passwords, keeping them safe from unauthorized access.

Projects

Dog Breed Identification

Platform: Google colab

- Develop a deep learning model using TensorFlow to detect and classify dog breeds from images.
- Collect and preprocess a diverse dataset of labeled dog images.
- Train and optimize the model using a convolutional neural network architecture.
- Evaluate the model's performance using a separate test set. Fine-tune and retrain the model if necessary to improve accuracy.

- Implement the trained model in a real-time application for breed detection.
- Optimize the model's inference time and accuracy for real-time usage. Deliverables include the dataset, trained model, evaluation metrics, and documentation.

GPS Tracker Using NodeMCU ESP8266 And Blynk Application "Real Time Tracking System".
Mini project:
Platform: Arduino, Blynk Application
Team size: 3
Role: Leader

- Designed and implemented a real-time GPS tracking system using NodeMCU ESP8266 and Blynk application.
- Utilized the GPS module to extract latitude and longitude coordinates.
- Developed a mobile application using the Blynk platform to visualize and monitor the real-time location of the GPS tracker on a map.
- Utilized the Blynk platform's push notification feature to send alerts when the GPS tracker moves beyond the defined geofence boundaries.
- Configured the system to send real-time location updates to the Blynk application at regular intervals.
- Successfully implemented IoT communication and ensured accurate tracking and reliable performance.

Vehicle Pollution Monitoring And Alert System
Final year project:
Platform: Arduino
Team size: 3
Role: Leader

- This project is done using Arduino IDE.
- It detects and classifies the more polluting vehicles Cities.
- The process includes:
  1) Pre-processing: Collecting vehicle emission data for different gases present in the emissions, processing the data, and determining average values for each gas. Additionally, setting specified threshold values for pollutant levels.
  2) Developed a Vehicle Pollution Monitoring and Alert System using Arduino, MQ series sensors, and ThingSpeak cloud platform and for alert we are Using ESP32Cam For Capturing image.
  3) Utilized ThingSpeak cloud platform for real-time data monitoring and analysis. Implemented threshold-based alert mechanism for detecting pollution levels.
  4) Stored and analyzed captured images for further analysis or evidence gathering.
  5) Post-processing: The results after capturing the vehicle image include Enhancing image quality Detecting and locating the vehicle Recognizing the license plate Extracting relevant vehicle data Analyzing and storing the data Generating alerts based on threshold values.

Personal Traits

- Strong analytical, problem solving & organizational abilities
- Excellent interpersonal skills
- Possess a flexible & detail oriented attitude
- An effective communicator with excellent team building character

Personal Details

- Date of Birth: 18th Jan 2002.
- Permanent Address: Ravoor,Honnekudige post Tq:Narasimharajapura Dist:Chikkmagalore 577134.
- Languages: English, Kannada ,Hindi.